

WE CLAIM:

1. A process for the preparation of 1-(9 H-carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)-ethyl] amino]-propan-2-ol, (Carvedilol) comprising:

(a) reacting 4-hydroxy carbazole of formula (IV) with
epichlorhydrin

in presence of an organic solvent and a base

at temperatures between 10⁰C - 30⁰C

(b) further reacting the resultant 4-(2,3-epoxypropoxy)-
carbazole of formula (II) with a salt of 2-(2-methoxyphenoxy)
ethylamine of formula (III), preferably hydrochloride salt

in presence of a base

and a hydroxylic solvent

at temperatures between 30 ⁰C - 90 ⁰C.

2. A process as claimed in claim 1, wherein the preferred base is inorganic base preferably alkali metal hydroxide, more preferably sodium hydroxide in aqueous form.

3. A process as claimed in claim 1(b), wherein the molar equivalent of base is employed may be from 1 mole to 6 moles, preferably 1.1 molar equivalents based on 4-hydroxy carbazole moles.

4. A process as claimed in claim 1(a), wherein the said organic solvent is selected from alcohols, cyclic ethers, dipolar aprotic solvents and glycol ethers, preferably water miscible (C1-C4) alcohols but, more preferably isopropyl alcohol.

5. A process as claimed in claim 1(b), wherein the said hydroxylic solvent is water or C₁-C₄ alcohols like methyl alcohol, ethyl alcohol, isopropyl alcohol, butyl alcohol or mixtures thereof but preferably water.

6. A process as claimed in claim 1(a), wherein the preferred temperature range is 20-30 °C in the reaction between 4-hydroxy carbazole of formula (IV) and epichlorhydrin.
7. A process as claimed in claim 1(b), where in the preferred temperature range is 80 °C - 90 °C in the reaction between the compounds of formula II and formula III.
8. A process for preparation of Carvedilol as substantially described herein with reference to the foregoing examples 1 to 2.